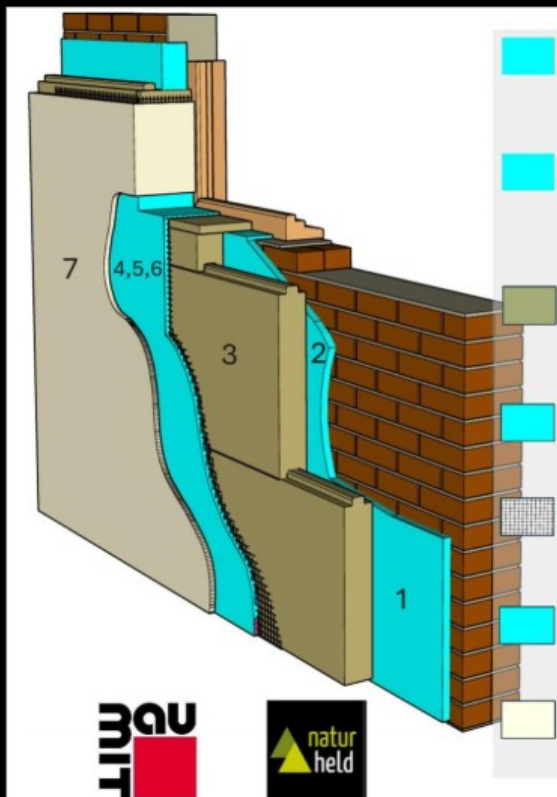


Benefits of Using Naturheld Wood Fibre

Solid Wall Insulation - internal

- . Vapour-open, hygroscopic and capillary-active solution to allow internal moisture to escape from inside to outside, preventing mould growth and condensation
- . WUFI analysis available to ensure that interstitial condensation will not arise in the future
- . Naturheld 140 & 180 have tongue and groove profiles so they knit securely reducing thermal leakage
- . Can be plastered directly with a breathable plaster or can be finished with a service void and plasterboard
- . Can be used on inside of masonry walls or timber framed walls
- . Adds significant thermal mass to timber frame properties which regulates temperatures all year round
- . Excellent acoustic qualities - absorbs reverberation and reduces sound transmission through walls
- . Environmentally friendly product with low embodied carbon and made from natural materials



- 1. Levelling Coat:** Apply a levelling coat of lime plaster to the bare brick or stone wall, if required, typically 10-30mm of Baunit NHL Thermo or Baunit RK38
- 2. Bonding Coat:** Apply a consistent 5mm bonding coat of lime plaster (using a 7mm notched trowel) to complete back of wood fibre board or wall. This ensures that there are no air gaps between the wood fibre and wall. Use Baunit RK70
- 3. Wood Fibre Insulation:** Bond Naturheld wood fibre insulation to the wall and secure each board in place using 3 thermally isolated fixings
- 4. Base Coat A:** Apply a 5mm lime plaster base coat over wood fibre (using a 6-7mm toothed trowel). Use Baunit RK70
- 5. Reinforcing Mesh:** Embed mesh into this toothed base coat whilst the base coat is still wet, and leave for 1-1.5 hours to firm up slightly
- 6. Base Coat B:** Apply 2-3mm of lime plaster over the mesh and original plaster, ensuring the mesh stays close to the surface. Sponge float on the same day. Use Baunit RK70
- 7. Final Coat:** Apply 2mm of lime plaster top-coat – apply in 2 passes. Use Baunit KlimaGlatt for a smooth finish or Baunit RK70 for a textured finish

IMPORTANT NOTE: Ensure that walls are reasonably flat before attaching the wood fibre board (5mm max unevenness). This reduces air gaps at this interface which could cause interstitial condensation to build up within the wall – this must be avoided. Contact us for further advice regarding wall levelling.

Benefits of Using Naturheld Wood Fibre Insulation

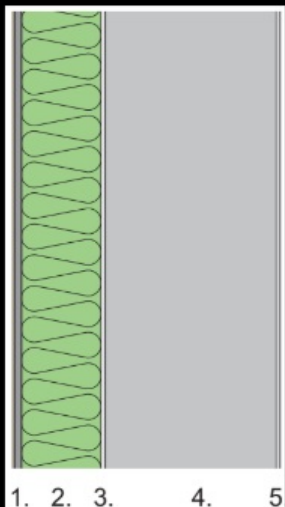
Solid Wall / Timber Frame / CLT Insulation - External

- Water resistant but vapour-open, hygroscopic and capillary-active to allow internal moisture to escape from inside to outside preventing mould growth and condensation
- Thermal bridging eliminated due to all corners and junctions being insulated
- Tongue and groove joints so knits securely together reducing thermal leakage risks
- Can be rendered directly with a breathable render or can be clad with ventilated cladding
- Adds significant thermal mass to timber framed properties which regulates temperatures all year round
- Can be used on outside of masonry walls (solid / cavity), timber / metal framed or CLT walls
- Excellent acoustic qualities - reduces sound transmission through walls
- Environmentally-friendly and carbon-negative product made from natural materials - KIWA Agrément Certified

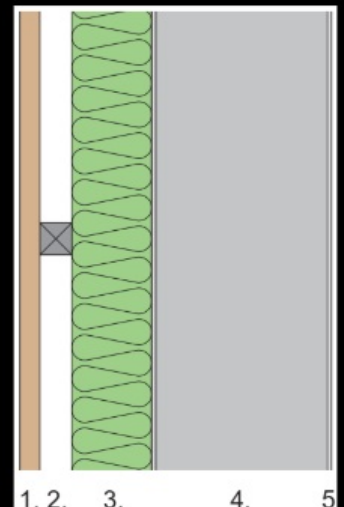


Rendered

Clad



1. Render
2. Naturheld 110/140/180
3. Bonding Coat
4. Masonry/Timber/CLT Wall
5. Plasterboard/Plaster



1. Cladding
2. 40mm battens to create cavity
3. Naturheld 110/140/180
4. Masonry/Timber/CLT Wall
5. Plasterboard/Plaster

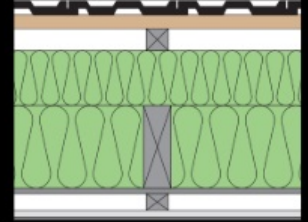


Warm Roof Insulation



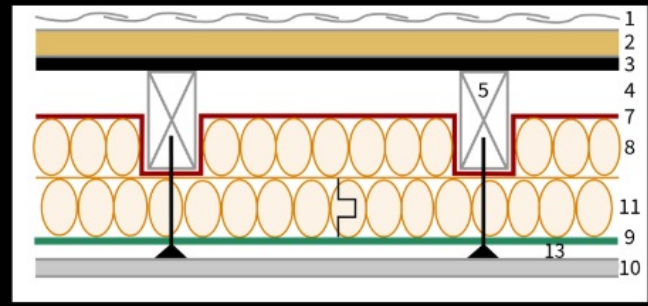
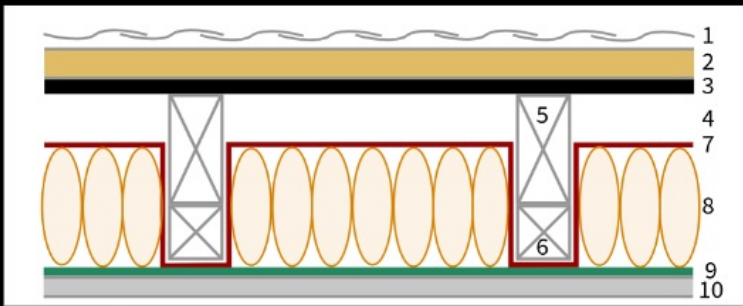
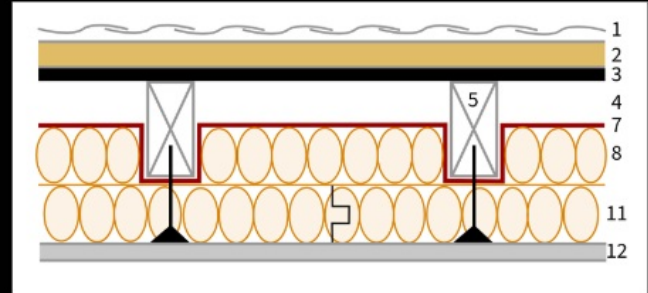
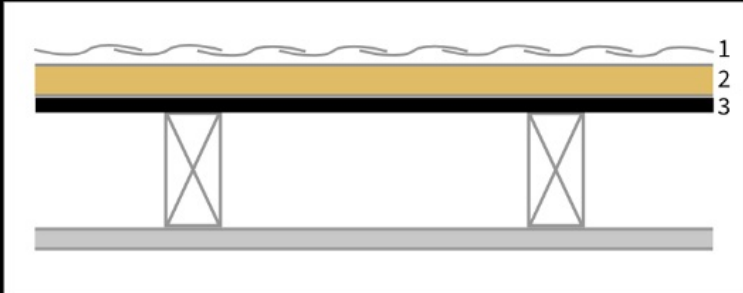
Benefits of Using Naturheld Wood Fibre Insulation Pitched Roof Insulation - Over & Between Rafters

- Water-resistant but vapour-open, hygroscopic and capillary-active to allow internal moisture to escape from inside to outside preventing mould growth and condensation
- Thermal bridging eliminated due to all rafters and junctions being insulated
- Also suitable for CLT roofs and ventilated flat roofs with 100mm ventilation space
- Adds significant thermal mass to roofs which regulates temperatures all year round
- Excellent acoustic qualities - reduces noise heard through roofs e.g. rain or traffic noise
- Environmentally-friendly and carbon-negative product made from natural materials
- Wood fibre sarking boards can be left exposed for up to 4 weeks before roof covering is fitted



Existing Roof with 100mm min Rafters

Lime Plaster or Plasterboard Finish



1. Existing Roof Tiles
2. Existing Tile Battens or Sarking Ply
3. Existing Bitumen or Similar Felt
4. 45mm min Ventilation Space
5. Existing Rafters
6. Optional Extended Rafter
7. Ampatop Protecta Plus Breather Membrane Draped Under + Up Sides of Rafters
8. Naturheld Flex Between Rafters (50/80/100/140mm)

9. Ampatex Eco 5 Airtightness Membrane Under Rafters
10. Plasterboard or Similar With Skim Finish
11. Naturheld 140/180/220 T&G Wood Fibre Boards (22/40/60/80/100/120mm)
12. 8mm Baumit Lime Plaster & Reinforcement Mesh or Plasterboard
13. 25mm Battens To Create Service Void

Existing Roof With 75mm max Rafters

